

PKB 1110

11320.1

PKB 1110/2/5,00, 2 pole Plug-in PCB Connector

- Various Pole Configurations
- Conductor cross-sections from 0.2 mm² to 4 mm²
- Impulse voltage resistance of 4 kV



PRODUCT DESCRIPTION

The PKB 1110 series from Conta-Clip is a versatile range of screw-connection female socket terminal blocks designed for secure and reliable wire-to-board connections. With a 5.00 mm pitch, these terminal blocks are available in various pole configurations, such as 2, 3, 4, 5, 6, and 7 poles, accommodating conductor cross-sections from 0.2 mm² to 4 mm² for rigid wires and up to 2.5 mm² for stranded wires with ferrules. The terminals are rated for a maximum current of 10 A and a voltage of 250 V, with an impulse voltage resistance of 4 kV, making them suitable for applications requiring high electrical performance. They feature M3 screw connections with a 7 mm stripping length, ensuring secure and vibration-resistant terminations. Constructed from flame-retardant polyamide 6.6 (UL 94 V-0), these terminal blocks offer durability and compliance with international safety standards.

The PKB 1110 series is ideal for use in industrial control systems, automation equipment, and power distribution modules, where space-saving and reliable connections are essential. The angled design of the terminals, with a 270° wire connection angle, facilitates easy integration into compact PCBs and enclosures. The screw connection system ensures secure and maintenance-friendly wiring, while the robust construction withstands demanding environments. With certifications including UL, cUL, and VDE, the PKB 1110 series meets international safety standards, making it suitable for global applications. Whether for new designs or retrofitting existing systems, these terminal blocks provide engineers with a dependable solution for dense and durable PCB interconnections.

TECHNICAL DATA

GENERAL DATA

Type	Plug-in connector
Pitch	5 mm
Colour	Green
Number of poles	2
Approvals	UL, cUL, VDE

RATINGS

Rated current	10 A
Rated voltage	250 V
Rated cross section	2.5 mm ²
Rated impulse voltage	4 kV
Overvoltage category	III
Contamination degree	3

DIMENSIONS

Length	12.5 mm
Width	10 mm
Height	26.5 mm
Width left	2.5 mm
Width right	2.5 mm

CONNECTION DATA

Connector type/principle	Screw
Contact version	Female connector
Connector version	Pluggable
Number of plugin rows	1
Cross section single wire from	0.2 mm ²
Cross section single wire to	4 mm ²
Cross section stranded wire from	0.2 mm ²
Cross section stranded with ferrule to	2.5 mm ²
Cross section stranded wire to	2.5 mm ²
Cross section stranded with ferrule from	0.25 mm ²
Rated wire cross section to (AWG)	10
Rated wire cross section from (AWG)	22
Stripping length	7 mm
Screw size	M 3
Torque	0.5

MATERIALS

Housing material	Polyamide 6.6
Flammability class	UL94-V0
Operating temperature from	-30 °C
Operating temperature to	105 °C
Contact spring	Bronze
Screw material	Steel
Clamp material	Brass

APPROVALS

UL test standard	UL 1059
Rated voltage UL	300 V

Rated current UL	15 A
cUL test standard	CSA 22.2 No.158
Rated voltage cUL	300 V
Rated current cUL	15 A
VDE test standard	DIN EN 61984
Rated voltage VDE	250 V
Rated current VDE	10 A

Plug-in cycles acc. to standard	100
Tariff code	85366990
Pack size	50
Weight	4 g
Angle of wire connection/contact	270° (vertically downwards)
Connection cycles acc. to standard	5
Country of origin	QU
Current creepage resistance	CTI 600
Glow wire flammability index (GWFI)	GWFI 850
Glow wire ignition temperature (GWIT)	GWIT 775
GWFI after-glow time	30 s
GWIT exposure time	5 s
Insulation resistance	$1 \cdot 10^{13} \Omega \times \text{cm}$



